

**Title of Action: Test Execution Services and Launch Augmentation**

Incumbent: None (New Effort)

Contract Number: N/A

Contract Expiration Date: N/A

Name of Requiring Activity: Test & Warfighter Solutions Center (TWSC), Test Directorate

Description of Effort: The purpose of this acquisition is to provide a competitive bridge to D3I and provide a Test Execution contract vehicle focused on meeting SMDC's near term testing objectives. The Procurement includes requirements focused on, component development/procurement, analysis and execution of Test Events in support of the following categories:

- a. Integrated Missile Defense (IMD) Programs
- b. Warfighter Weapon Development Programs
- c. Live Fire Test and Evaluation and Lethality
- d. Department of Homeland Security Programs
- e. Rapid Fielding/Innovative Concepts Programs
- f. Cyber Technology Programs
- g. Space Dominance Programs
- h. Kill Vehicle Programs
- i. Flight Termination Programs
- j. Hyper Velocity Gas Gun and High-Speed Sled Track Programs
- k. Threat Programs
- l. Foreign Material Programs

The major technical function areas are:

- a. Flight Test: Missiles, Rockets, Air breathers, Unmanned Aerial Vehicles (UAV), Remote Control, Full Scale, Sub-scale
- b. Ground Test: Sled Tests, Light Gas Gun, Impact Testing, High Explosive, Subsystem, Lethality
- c. Payloads: Flight and Ground Payloads, Countermeasures, Submunitions, Surrogates, Test Articles
- d. Electronic Warfare Test: Test, Training, Jamming, Counter Jam, Instrumentation, Signal Generation (SG), Information Assurance (IA), Information Operations (IO), Intelligence, Surveillance, Reconnaissance (ISR)
- e. Directed Energy Test: Solid State, Chemical, Fiber, Free-electron, Component and System Level
- f. Conventional and Asymmetric Threat Test: Innovative Concepts, Rapid-response Test and Assessment, Technology Evaluations, Military Utility Assessments, Advanced Concept/Joint Capabilities Technology, Demonstrations, Interoperability Test, Joint Exercise Test
- g. Telemetry and Sensor Test: Instrumentation, Electronic Warfare, Missile Defense, Space, Cyber, Signal Generation (SG), Information Assurance (IA), Information Operations (IO), Intelligence, Surveillance, Reconnaissance (ISR), Electro-Optics, Telemetry, Flight Termination and Range Safety, Instrumented Radar, Radar Threat Simulation, and Electronic Component Development
- h. Power and Energy Test: Source, Distribution, Alternative, Renewable, Electromagnetic, System and Component Level)
- i. Cyber and Space Test: Threat Simulation, Electronic Component Development, Training and Test, Radiating systems, Disruptive Jamming
- j. Intelligence, Surveillance and Reconnaissance Test: Payload, Ground Station, Signal and Image Processing, High Performance Computing, Networked, Sensor Architectures, System and Platform Development
- k. Experimental, Phenomenology and Component Test: Chemical, Nuclear, Biological, Radiation Weapon, Fragmenting Warhead, Sympathetic Detonation, Counter Improvised Explosive Devices (IED), High Explosive Initiation, Structural/Mechanical Break-up, In-situ Negation
- l. Modeling and Simulation (M&S): Impact Mechanics Modeling, Numerical Manipulation, Trajectory Modeling, Signal Processing, Radar Characterization, Parametric Code Development, Data Management, Numerical Test Bed, Simulated Test Architectures.

Type of Action: Multiple Award IDIQ \$497M

North American Industry Classification System (NAICS) Code: 541712, with a small business size standard of 1,000 employees

Estimated Period of Performance: Estimated: Dec 2011- Dec 2013

Total Estimated Value of the Proposed Action: \$497M

Estimated Release Date of the Request for Proposal (RFP): TBD

Contract Specialist: TBD

Contract Officer: Diana McCown, (256) 799-4321.

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